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## NEW CLAIMS

- 5 1. A process for improving processability of monoand multi-layer polymer shrink-films, comprising adding a photoinitiator to a polymeric composition of which said monolayer film or at least one layer of said multilayer film is made, wherein said composition does not include polymer cross-linking 10 enhancers, extruding said composition, illuminating extruded composition with ultraviolet said radiation, to induce cross-linking within said layer layers of the film, the amount of said photoinitiator and the intensity and duration of 15 said illumination being such as to provide a gel content below 10%, and submitting said composition to an orientation treatment.
- 20 2. A process according to claim 1, wherein the orientation treatment is performed using the double-bubble technique.
- 3.A process according to claim 1, wherein the polymeric composition is selected in the group consisting of polyethylene, ethylene copolymers, and their mixtures.
- 4.A process according to claim 3, wherein the 30 ethylene copolymers are selected in the group consisting of LLDPE, LDPE, m-LLDPE, EVA, EBA, ULDPE, and their mixtures.

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- 5. A process according to claim 1, wherein the amount of photoinitiator is up to 1 weight percent of the composition to which it is added.
  - 6. A process according to any one of the preceding claims, wherein the film to be produced is a monolayer film.

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- 7. A process according to any one of the preceding claims, wherein the film is a multilayer film.
- 8. A process according to claim 7, wherein no photoinitiator is added to one or more of the layers.
  - 9. A process according to claim 1, wherein the crosslinked material of one layer is chosen such that it provides strength and impermeability to the film.

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- 10. A process according to claim 9, wherein the cross-linked material(s) of one or more external layer(s) are chosen such that they provide sealability to the film.
- 25 11. A process according to claim 1, wherein the orientation treatment is performed using the tenter technique.
- 12. A monolayer shrink-film, which does not include 30 polymer cross-linking enhancers and is cross-linked to the extent that it comprises a gel content below 10%.
  - 13. A multilayer shrink-film, which does not include polymer cross-linking enhancers, in which multilayer

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shrink-film some of the layers are cross-linked to the extent that they comprise a gel content below 10%, and others are not cross-linked.